SKW Dewatering Scheme

VPDES Individual Permit Modification
MLK Expressway Extension

The first choice for construction dewatering on the MLK Extension segment is to discharge into one of several sediment ponds or basins that will be built before any major excavation begins. This will be done by pumping directly into the pond area or into a stormwater conveyance channel that leads to one of the ponds. Seven of these ponds will be developed further into permanent storm water ponds by project completion. No testing or monitoring is necessary using this method of dewatering.

The second choice for construction dewatering is to discharge into a local storm water inlet. These inlets were chosen as backup, in case a pond or channel is not accessible from the point construction dewatering may be needed. This method is not preferred, however if used, water will first be pumped into sediment tanks and tested for pH and flocculation as necessary. After the sediment has settled in the tanks, the water will be discharged into one of the specified storm structures. There are 4 outfalls (numbered 004 – 007) that are specified to have potential direct discharge; they will not all be used at one time, and some may not be used at all. Inlets will be utilized only if discharge into stormwater ponds or conveyance channels is not possible. **No water will be directly discharged from ground into storm drains.**

If sediment ponds overflow, the water from ponds is designed to flow to and be discharged into the storm system. There are 6 outfalls (numbered 101 – 106) designated for potential pond overflow. No sediment tanks are needed since sediment has settled in ponds.

It is unlikely that stormwater ponds will overflow as each pond in the system is shown to safety pass the 100 year storm event, with at least one foot of freeboard above the peak stage.

Status reports will be completed and submitted monthly. If no construction dewatering is directed to a storm water inlet during the month, it will be noted on the report that each outfall had zero discharge for the month.